

## FAQ – Patriot™

The eyes easily mount into your choice of Z-Flap (p/n #MIR-Z1) or Telescopic mounting brackets (p/n #MIR-T1), which when mounted to a door extend below the bottom astragal and travel ahead of the door during the closing cycle.



The eyes provide an invisible beam of protection along the door edge. Whenever the beam senses an obstruction, the microprocessor-based controller will initiate a stop/reversal of the door. When the door reaches it's fully closed position, the Patriot retracts.

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Q. What is included in a Miller Edge Patriot Non-Contact Sensing Edge?

A. The Patriot series of sensing edges consists of a Control Unit, an Emitter Eye, and a Receiver Eye, plus the appropriate hardware.

Q. How do I know the eyes are properly aligned?

A. When the eyes are properly aligned, the red light will go out and the green light will be flashing.

Q. What does the flashing green light mean?

A. The flashing green light indicates that the controller is receiving power and the microprocessor is functioning normally.

Q. The red LED on the control unit is on steady. What does this tell me?

A. A solid red LED indicates the on-board relay has de-energized, which is a fault condition.

1. Begin fault discovery by first making sure there is nothing obstructing the “beam” and make certain the eyes are in alignment.
2. Check to be sure wire connections are secure.

Q. Are there any special tools needed to install or service a Patriot?

A. A few tools will help make installation and trouble shooting easier:

1. A laser pointer or level is handy for installing and checking eye alignment.
2. A digital volt meter (DVM) or analog (the kind with the pointer) is ESSENTIAL for troubleshooting the system.

Q. Why do I need a DVM?

A. A meter will help you determine if voltage is being fed to a device or if you have a shorted or open wire. A high quality DVM will pay for itself in 1 or 2 service calls in timesavings.

Q. How far of a span will a Patriot protect?

A. Up to 30 feet is standard. We also have telescopic models that will safeguard an opening as small as 10 feet or a larger door up to 50 feet. ME P/N's MIR-T1-SP-10 or MIR-T1-SP-50.

Q. What are my connections from the Patriot control board to my operator?

A. There are four wire connections:

“C” and “D” are the terminals that need to be connected to your power source, typically 24 VAC.

“A” terminal is wired to your low voltage “Common” terminal in you operator.

“B” terminal is wired to your Safety/Edge/Photocell\* Terminal in your operator.

\*NOTE: A common error happens working with Lift Master<sup>1</sup> Logic 3 Operators; you must wire “B” to the EDGE input, not the Photocell input. The photocell input on these operators is for Lift Master brand photo eyes only.

Q. What other wiring is needed to complete the installation?

A. Only 2 other connections need to be made. These are the red and black wires (the long wires) from the emitter photo eye need to be connected in the provided junction box.

Using wire nuts, attach the red wire from the emitting eye to the red pigtail in the provided junction box. Then, attach the black wire from the emitting eye to the black pigtail in the junction box.

Q. How can I obtain additional support?

A. We’re always willing to help so feel free to contact us at your convenience.

By phone:	Eastern US and Canada	800-220-3343
	Western US and Canada	800-887-3343
	Outside USA or Canada	1-610-869-4422 (e.s.t.)
		1-480-755-3565 (m.s.t.)

Website: [www.milleredge.com](http://www.milleredge.com)

Email: [info@milleredge.com](mailto:info@milleredge.com)

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<sup>1</sup> LiftMaster is a registered trademark of the Chamberlain Group.